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The DArk Matter Particle Explorer (DAMPE): 7 years in Space

Tuesday, 4 July 2023 16:10 (25 minutes)

The DArk Matter Particle Explorer (DAMPE; also known as “Wukong”) is a satellite-borne, calorimetric type experiment that has been successfully operating in space since December 2015, designed to detect cosmic rays up to unprecedentedly high energies. The scientific goals of DAMPE are indirect detection of possible indirect dark matter signatures, cosmic-ray physics, and gamma-ray astronomy. In this talk, we first give an overview of the DAMPE mission, its on-orbit operation status. Then, we highlight the recent scientific results regarding cosmic-ray and gamma-ray observations.

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